

Please cancel claims 4, 39 and 47 – 57 without prejudice or disclaimer as to the subject matter therein.

Please amend the claims as follows:

1. (Amended) A method for storing data in a memory in a computer system, the method comprising:

receiving uncompressed data;

A1 determining a compression mode for the data, wherein the compression mode comprises one of lossless compression, lossy compression, or no compression;

wherein the compression mode is determined in response to one or more of: a requesting agent which provides the data; an address range where the data is stored; and/or a data type of the data;

selectively compressing the uncompressed data, wherein said compressing is selectively performed in response to the compression mode for the data; and

storing the data in the memory.

A2 37. (Amended) A method for storing data in a memory in a computer system, the method comprising:

receiving uncompressed data;

determining a compression mode for the data, wherein the compression mode is determined in response to one or more of a requesting agent which provides the data; an address range where the data is stored; and/or a data type of the data;

selectively compressing the uncompressed data, wherein said compressing is selectively performed in response to the compression mode for the data; and

storing the data in the memory.